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**ENGLISH TRANSLATION OF
AMENDMENT TO THE CLAIMS**

CLAIMS

1. (Amended) A communication system, comprising a
first access router belonging to a first subnet and a
5 second access router belonging to a second subnet
different from said first subnet, said first access
router and said second access router being connected via
IP network, and a mobile terminal is connected to said
first subnet or said second subnet via radio
10 communication, wherein:

the mobile terminal connected to said first subnet
requests a link local address of said second access
router or of a default router in said second subnet to
said first access router under the condition being
15 connected to said first subnet after deciding the
execution of handover to said second subnet; and

said first access router is arranged to provide
information included in an RA message sent in said
second subnet by said second access router or said
20 default router together with said link local address to
said mobile terminal.

2. (Amended) The communication system according to
claim 1, wherein said mobile terminal is arranged to
25 refer to said link local address when transmitting

packet to outside of said second subnet after
executing the handover from said first subnet to said
second subnet.

- 5 3. (Amended) The communication system according to
claim 1, wherein said mobile terminal is arranged to
request said link local address to said first access
router when transmitting a message P to request
information relating to said second access router.
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4. (Amended) The communication system according to
claim 3, wherein said mobile terminal is arranged to add
information to instruct a request of said link local
address in said message P or to transmit information to
15 request said link local address different from said
message P to said first access router, said first access
router acquires said link local address relating to a
subnet specified by information in said message P, and
specified by at least one of information to request said
20 link local address and information in said message P
received from said mobile terminal, and transmits a
message Q or a notifying message different from said
message Q to said mobile terminal by incorporating said
link local address in the message Q, which is a response
25 message of said message P, or the notifying message

different from said message Q.

5. (Amended) A communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, and a mobile terminal is connected to said first subnet or said second subnet via radio communication, wherein:

the mobile terminal connected to said first subnet requests a link local address of said second access router or of a default router in said second subnet to said first access router under the condition being connected to said first subnet after deciding the execution of handover to said second subnet; and

said first access router acquires said link local address relating to the subnet specified by information in a message P when the message P to request information relating to said second access router is received from said mobile terminal and transmits a message Q including said link local address to said mobile terminal by incorporating said link local address in the message Q, which is a response message of said message P.

6. (Amended) A communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access
5 router and said second access router being connected via IP network, and a mobile terminal is connected to said first subnet or said second subnet via radio communication, wherein:

the mobile terminal connected to said first subnet
10 requests a link local address of said second access router or of a default router in said second subnet to said first access router under the condition being connected to said first subnet after deciding the execution of handover to said second subnet; and

15 said first access router acquires said link local address relating to the subnet specified by information in a message P when the message P to request information relating to said second access router is received from said mobile terminal, and transmits a notifying message
20 including said link local address to said mobile terminal by incorporating said link local address in the notifying message different from the message Q, which is a response message of said message P.

25 7. (Amended) A communication system, comprising a

first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, and a mobile terminal is connected to said first subnet or said second subnet via radio communication, wherein:

the mobile terminal connected to said first subnet is arranged to request a link local address of said second access router or of a default router in said second subnet to said first access router when transmitting a message R to request to forward a packet addressed to said mobile terminal to said second access router under the condition being connected to said first subnet after deciding the execution of the handover to said second subnet; and

said first access router is arranged to provide said link local address to said mobile terminal.

8. (Amended) The communication system according to claim 7, wherein said mobile terminal is arranged to add information to instruct a request of said link local address in said message R or to transmit information to request said link local address different from said message R to said first access router, said first access

router acquires said link local address relating to the subnet specified by at least one of information in said message R, a message P to request information relating to said second access router, and information
5 in said message P received from said mobile terminal already before the receiving of said message R, and is arranged to transmit a message S including said link local address to said mobile terminal by incorporating said link local address in the message S, which is a
10 response message of said message R.

9. (Amended) The communication system according to claim 8, wherein said mobile terminal is arranged to transmit information to request said link local address
15 different from said message R to said first access router; and

said first access router is arranged to request said link local address to said second access router when transmitting a message T to request the initiation of
20 handover processing relating to said mobile terminal.

10. (Amended) The communication system according to claim 8, wherein said mobile terminal is arranged to transmit information to request said link local address
25 different from said message R to said first access

router; and

said second access router is arranged to acquire said link local address relating to said second subnet, to which said second access router belongs, when said
5 message T is received from said first access router, and to transmit a message U or a notifying message different from said message U to said first access router by incorporating said link local address in the message U, which is a response message of said message T or in the
10 notifying message different from said message U.

11. (Amended) The communication system according to claim 7, wherein said mobile terminal is arranged to add information to instruct a request of said link local
15 address in said message R or to transmit information to request said link local address different from said message R to said first access router, said first access router is arranged to acquire said link local address relating to the subnet specified by at least one of
20 information to request said link local address, information in said message R received from said mobile terminal, information in said message R received from said mobile terminal, a message P to request information relating to said second access, router, and information
25 in said message P received from said mobile terminal

already before the receiving of said message R, and
transmits said notifying message including said link
local address by incorporating said link local address
in the notifying message different from the message S,
5 which is a response message of said message R.

12. (Amended) The communication system according to
claim 11, wherein said mobile terminal is arranged to
add information to request said link local address in
10 said message R, and said first access router is arranged
to request said link local address to said second access
router when transmitting the message T to request the
initiation of handover processing relating to said
mobile terminal.

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13. (Amended) The communication system according to
claim 12, wherein said first access router is arranged
to add information to indicate a request of said link
local address in said message T or to transmit
20 information to request said link local address different
from said message T to said second access router, and
said second access router is arranged to acquire said
link local address relating to said second subnet, to
which said second access router belongs, and to transmit
25 a message U or a notifying message different from said

message U to said first access router by incorporating said link local address in the message U, which is a response message of said message T, or in the notifying message different from said message U.

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14. (Amended) The communication system according to claim 11, wherein said mobile terminal is arranged to add information to indicate a request of said link local address in said message R; and

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said second access router is arranged to acquire said link local address relating to said second subnet, to which said second access router belongs, when said message T is received from said first access router, and to transmit a message U or a notifying message different from said message U to said first access router by incorporating said link local address in the message U, which is a response message of said message T, or in the notifying message different from said message U.

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15. (Amended) A communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, and a mobile terminal is connected to said

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first subnet or said second subnet via radio communication, wherein:

the mobile terminal connected to said first subnet requests a link local address of said second access
5 router or of a default router in said second subnet to said first access router under the condition being connected to said first subnet after deciding the execution of handover to said second subnet; and

when the message R to request information relating
10 to said second access router is received from said mobile terminal, said first access router acquires said link local address relating to the subnet specified by at least one of information in said message R, a message P to request information relating to said second access
15 router, and information in said message P received from said mobile terminal already before the receiving of said message R, and to transmit a message S or a notifying message different from said message S to said mobile terminal by incorporating said link local address
20 in the message S, which is a response message of said message R, or in a notifying message different from said message S.

16. (Amended) A communication system, comprising a
25 first access router belonging to a first subnet and a

second access router belonging to a second subnet
different from said first subnet, said first access
router and said second access router being connected via
IP network, and a mobile terminal is connected to said
5 first subnet or said second subnet via radio
communication, wherein:

under the condition that said mobile terminal is
connected to said first subnet, said first access router
is arranged to transmit a message W to instruct the
10 execution of handover to said second subnet, which
includes said link local address of said second access
router or of a default router in said second subnet, to
said mobile terminal.

15 17. (Amended) The communication system according to
claim 16, wherein said first access router is arranged
to provide information included in an RA message sent in
said second subnet by said second access router or said
default router together with said link local address to
20 said mobile terminal.

18. (Amended) The communication system according to
claim 16, wherein said mobile terminal is arranged to
refer to said link local address when transmitting a
25 packet to outside of said second subnet after executing

the handover from said first subnet to said second subnet.

19. (Amended) A mobile terminal in a communication
5 system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, a mobile terminal arranged to
10 be connected to said first subnet or said second subnet via radio communication, wherein there are provided:

means for requesting a link local address of said second access router or of a default router in said second subnet to said first access router under the
15 condition being connected to said first subnet when the handover is executed from said first subnet to said second subnet;

means for receiving said link local address from said first access router; and

20 means for referring to said link local address when a packet is transmitted to outside of the said second subnet after executing the handover from said first subnet to said second subnet.

25 20. (Amended) A mobile terminal in a communication

system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being
5 connected via IP network, a mobile terminal arranged to be connected to said first subnet or said second subnet via radio communication, wherein there are provided:

means for requesting a link local address of said second access router or of a default router in said
10 second subnet to said first access router when transmitting the message P to request information relating to said second access router under the condition being connected to said first subnet in case the handover is executed from said first subnet to said
15 second subnet; and

means for receiving said link local address from said first access router.

21. (Amended) The mobile terminal according to claim
20 20, wherein there are provided:

means for adding information to instruct a request of said link local address in said message P or means for generating information to request said link local address different from said message P and for
25 transmitting it to said first access router;

means for receiving a message Q including said link local address and being a response message of said message P, or a notifying message different from said message Q and including said link local address
5 from said first access router; and

means for extracting said link local address from said message Q or from said notifying message different from said message Q.

10 22. (Amended) A mobile terminal in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being
15 connected via IP network, a mobile terminal arranged to be connected to said first subnet or said second subnet via radio communication, wherein there are provided:

means for requesting a link local address of said second access router or of a default router in said
20 second subnet to said first access router under the condition being connected to said first subnet when executing the handover from said first subnet to said second subnet;

means for receiving a message Q including said link
25 local address, which is a response message of said

message P, or a notifying message different from said
message Q and including said link local address from
said first access router as a response after
transmitting the message P to request information
5 relating to said second access router; and
means for extracting said link local address from
said message Q or from said notifying message.

23. (Amended) A mobile terminal in a communication
10 system, comprising a first access router belonging to a
first subnet and a second access router belonging to a
second subnet different from said first subnet, said
first access router and said second access router being
connected via IP network, a mobile terminal arranged to
15 be connected to said first subnet or said second subnet
via radio communication, wherein there are provided:

means for requesting a link local address of said
second access router or of a default router in said
second subnet to said first access router when
20 transmitting a message R to request to forward a packet
addressed to said mobile terminal to said second access
router under the condition connected to said first
subnet when executing the handover from said first
subnet to said second subnet; and

25 means for receiving said link local address from

said first access router.

24. (Amended) The mobile terminal according to claim 23, wherein there are provided:

5 means for adding information to instruct a request of said link local address in said message R, or means for generating information to request said link local address different from said message R and for transmitting it to said first access router;

10 means for receiving a message S including said link local address and being a response message of said message R or a notifying message different from said message S and including said link local address from said first access router; and

15 means for extracting said link local address from said message S or from said notifying message different from said message S.

25. (Amended) A mobile terminal in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being connected via IP network, a mobile terminal arranged to be connected to said first subnet or said second subnet

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via radio communication, wherein there are provided:

means for requesting a link local address of said second access router or of a default router in said second subnet to said first access router under the condition being connected to said first subnet when
5 executing the handover from said first subnet to said second subnet;

means for receiving a message S including said link local address and being a response message of said
10 message R or a notifying message including said link local address and a notifying message different from said message S from said first access router as a response after transmitting the message R to request to forward a packet addressed to said mobile terminal to
15 said second access router; and

means for extracting said link local address from said message S or from said notifying message different from said message S.

20 26. (Amended) A mobile terminal in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being
25 connected via IP network, a mobile terminal arranged to

be connected to said first subnet or said second subnet via radio communication, wherein there is provided means for receiving a message W to instruct the execution of handover to said second subnet and including said link local address of said second access router or of a default router in said second subnet from said first access router.

27. (Amended) The mobile terminal according to claim 26, wherein there is provided means for receiving information included in an RA message sent in said second subnet by said second access router or said default router from said first access router.

28. (Amended) The mobile terminal according to claim 26, wherein there is provided means for referring to said link local address when transmitting a packet to outside of said second subnet after executing the handover from said first subnet to said second subnet.

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29. (Amended) An access router in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being

connected via IP network, said access router being
connected to said mobile terminal via radio
communication, wherein there are provided:

means for receiving a request of a link local
5 address of said second access router or a default router
in said second subnet from said mobile terminal
connected to said first subnet and deciding that
handover is executed to said second subnet;

means for acquiring said link local address; and
10 means for providing information included in an RA
message sent in said second subnet by said second access
router or by said default router together with said link
local address to said mobile terminal.

15 30. (Amended) An access router in a communication
system, comprising a first access router belonging to a
first subnet and a second access router belonging to a
second subnet different from said first subnet, said
first access router and said second access router being
20 connected via IP network, said access router being
connected to said mobile terminal via radio
communication, wherein there are provided:

means for receiving a request of a link local
address of said second access router or of a default
25 router in said second subnet from said mobile terminal

connected to said first subnet and deciding the
execution of handover to said second subnet when
receiving a message P to request information relating to
said second access router from said mobile terminal;

5 means for acquiring said link local address; and
 means for providing said link local address to said
mobile terminal.

31. (Amended) The access router according to claim 30,
10 wherein there are provided:

 means for acquiring said link local address relating
to a subnet specified by at least one of information in
said message P when information to instruct a request of
said link local address added in said message P is
15 received as a request of said link local address from
said mobile terminal, and by at least one of information
to request said link local address and information in
said message P received from said mobile terminal when
information to request said link local address different
20 from said message P is received; and

 means for generating a message Q or a notifying
message different from said message Q by incorporating
said link local address in the message Q, which is a
response message of said message P, or in a notifying
25 message different from said message Q, and for

transmitting said message Q or said notifying message
different from said message Q to said mobile terminal.

32. (Amended) An access router in a communication
5 system, comprising a first access router belonging to a
first subnet and a second access router belonging to a
second subnet different from said first subnet, said
first access router and said second access router being
connected via IP network, said access router being
10 connected to said mobile terminal via radio
communication, wherein there are provided:

means for receiving a request of a link local
address of said second access router or of a default
router in said second subnet from said mobile terminal
15 connected to said first subnet and deciding the
execution of handover to said second subnet;

means for acquiring said link local address relating
to a subnet specified by information in a message P when
the message P to request information relating to said
20 second access router is received from said mobile
terminal; and

means for generating a message Q or a notifying
message different from said message Q by incorporating
said link local address in said message Q or in the
25 notifying message different from said message Q, which

is a response message of said message P, and for transmitting said message Q or said notifying message different from said message Q to said mobile terminal.

5 33. (Amended) An access router in a communication system, comprising a first access router belonging to a first subnet and a second access router belonging to a second subnet different from said first subnet, said first access router and said second access router being
10 connected via IP network, said access router being connected to said mobile terminal via radio communication, wherein there are provided:

means for receiving a link local address of said second access router or of a default router in said
15 second subnet when a message R to request to forward a packet addressed to said mobile terminal from said mobile terminal to said second access router is received from said mobile terminal, which is connected to said first subnet and deciding the execution of handover to
20 said second subnet;

means for acquiring said link local address; and

means for providing said link local address to said mobile terminal.

25 34. (Amended) The access router according to claim 33,

wherein there are provided:

means for acquiring said link local address relating to a subnet specified by at least one of information in said message P, a message P to request
5 information relating to said second access router, and information in said message P received from said mobile terminal already before the receiving of said message R when information to request said link local address added in said message R is received as a request of said
10 link local address from said mobile terminal, or a subnet specified by at least one of information in said message R received from said mobile terminal, information in said message R received from said mobile terminal, a message P to request information relating to
15 said second access router, and information in said message P received from said mobile terminal already before the receiving of said message R when information to request said link local address different from said message R is received; and
20 means for generating a message S including said link local address by incorporating said link local address in the message S, which is a response message of said message R, and for transmitting said message S to said mobile terminal.

35. (Amended) The access router according to claim 34, wherein there is provided means for requesting said link local address to said second access router when transmitting a message T to request the initiation
5 of the handover processing relating to said mobile terminal in case information to request said link local address added in said message R is received as a request of said link local address from said mobile terminal.

10 36. (Amended) The access router according to claim 35, wherein there are provided:

means for adding information to request said link local address in said message T or means for generating information to request said link local address different
15 from said message T, and for transmitting it to said second access router;

means for receiving a message U, being a response message of said message T and including said link local address or said notifying message including said link
20 local address; and

means for extracting said link local address from said message U or said notifying message.

37. (Amended) The access router according to claim 34,
25 wherein there are provided:

means for receiving a message U including said link local address and being a response message of said message T or a notifying message including said link local address from said second access router as a response after transmitting said message T when information to request said link local address added in the message R is received as a request of said link local address from said mobile terminal; and

means for extracting said link local address from said message U or from said notifying message.

38. (Amended) The access router according to claim 33, wherein there are provided:

means for acquiring said link local address relating to a subnet specified by at least one of information in said message R, a message P to request information relating to said second access router, and information in said message P received from said mobile terminal already before the receiving of said message R in case information to request said link local address added in said message R is received as a request of said link local address from said mobile terminal, or a subnet specified by at least one of information to request said link local address, information in said message R received from said mobile terminal, a message P to

request information relating to said second access
router, and information in said message P received
from said mobile terminal already received before the
receiving of said message R in case information to
5 request said link local address different from said
message R is received; and

means for generating said notifying message
including said link local address by incorporating said
link local address in a notifying message different from
10 a message S, which is a response message of said message
R, and for transmitting said notifying message to said
mobile terminal.

39. (Amended) The access router according to claim 38,
15 wherein there is provided means for requesting said link
local address to said second access router when
transmitting a message T to request the initiation of
the handover processing relating to said mobile terminal
in case information to request said link local address
20 added in said message R is received as a request of said
link local address from said mobile terminal.

40. (Amended) The access router according to claim 38,
wherein there are provided:

25 means for receiving a message U being a response

message of said message T and including said link
local address from said second access router as a
response after transmitting said message T in case
information to request said link local address added in
5 said message R is received as a request of said link
local address from said mobile terminal; and

means for extracting said link local address from
said message U or from said notifying message.

10 41. (Amended) An access router in a communication
system, comprising a first access router belonging to a
first subnet and a second access router belonging to a
second subnet different from said first subnet, said
first access router and said second access router being
15 connected via IP network, said access router being
connected to said mobile terminal via radio
communication, wherein there are provided:

means for receiving a request of a link local
address of said second access router or of a default
20 router in said second subnet from said mobile terminal
connected to said first subnet and deciding the
execution of handover to said second subnet;

means for acquiring said link local address relating
to a subnet specified by at least one of information in
25 said message R, a message P to request information

relating to said second access router, and information
in said message P received from said mobile terminal
already before the receiving of said message R; and
means for generating a message S or a notifying
5 message different from the message S by incorporating
said link local address in the message S, which is a
response message of said message R, or in the notifying
message different from the message S, and for
transmitting said message S or said notifying message
10 different from the message S to said mobile terminal.

42. (Amended) An access router in a communication
system, comprising a first access router belonging to a
first subnet and a second access router belonging to a
15 second subnet different from said first subnet, said
first access router and said second access router being
connected via IP network, said access router being
connected to said mobile terminal via radio
communication, wherein there are provided:

20 means for receiving a request of a link local
address of said second access router or of a default
router in said second subnet from said mobile terminal
connected to said first subnet and deciding the
execution of handover to said second subnet;

25 means for acquiring said link local address; and

means for transmitting a message including said link local address and for instructing the execution of handover to said second subnet to said mobile terminal.

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43. (Amended) The access router according to claim 42, wherein there is provided means for giving information included in an RA message sent in said second subnet by said second access router or said default router together with said link local address to said mobile terminal.

44. (Amended) An access router, comprising a second access router belonging to a second subnet different from a first subnet, to which a first access router belongs, said second access router being connected with said first access router via IP network, and being connected to a mobile terminal via radio communication, wherein there is provided:

20 means for receiving a request of said link local address of said second access router or of a default router in said second subnet from said first access router when a message T to request the initiation of the handover processing relating to said mobile terminal from said first access router is received.

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45. (Amended) The access router according to claim 44, wherein it is so arranged that information included in an RA message sent in said second subnet by said
5 second access router or said default router is provided together with said link local address to said first access router.

46. (Amended) The access router according to claim 44,
10 wherein there are provided:

means for receiving information to instruct a request of said link local address added in said message T as a request of said link local address from said first access router or for receiving information to
15 request said link local address different from said message T;

means for acquiring said link local address in case said message T added with information to instruct a request of said link local address is received from said
20 first access router or in case information to request said link local address is received from said first access router; and

means for generating said message U or said notifying message different from said message U
25 including said link local address by incorporating said

link local address in the message U, which is a
response message of said message T, or a notifying
message different from said message U, and for
transmitting said message U or said notifying message
5 different from said message U to said first access
router.

47. (Amended) The access router according to claim 44,
wherein there are provided:

10 means for acquiring said link local address in case
said message T is received from said first access
router; and

means for generating s message U or a notifying
message different from said message U by incorporating
15 said link local address in the message U, which is a
response message of said message T, or in the notifying
message different from said message U, and for
transmitting said message U or said notifying message
different from the message U to said first access router.

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